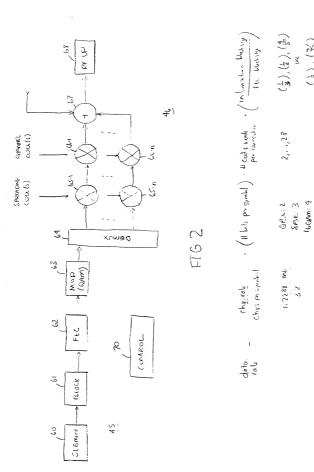
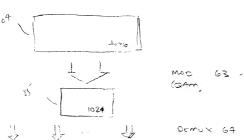
FIG. 1



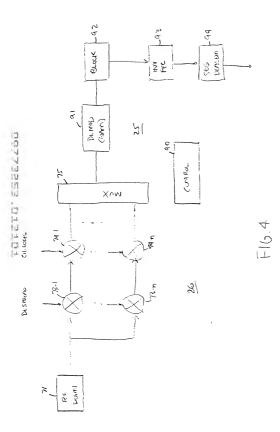
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Dоскеt No.: 2479.2021-000 Title: Maximizing Data Rate by Adjusting.... Inventors: Hoffmann, et al. F16.3 30 TCP/IP FRAME 1480 SE GMEM 60 12 82b BLOCK ENCORENC 61 83 (2007 for 1/2-4096) 2043 FEC ENLOCKE 62



Docket No.: 2479.2021-000
Title: Maximizing Data Rate by Adjusting....
Inventors: Hoffmann, et al.



		TARBE.	106./5.ge															
	**			1	`_	I-CDMA												
4	1331	4096		0.050	0	0.150	0.200	0.250	0.295	0.349	0.399	0 449	0 499	0.549	0.599	0.649	0.699	
4	2038	4096		0.076	0.152	0.228	0.304	0.380	0.456	0.532	0.608	0.684	0.761	0.837	0.913	0.989	1.065	k Size
4	3249	4096		0.122	0.244	0.366	0.487	0.609	0.731	0.853	0.975	1.097	1.218	1.340	1.462	1.584	1.706	Table 1 - Theoretical Effective Information Bit Rate (Mbps) for 4096 Block Size
8	1331	4096		0.075	0.150	0.225	0.299	0.374	0.449	0.524	0.599	0.674	0.749	0.824	0.898	0.973	1.048	oj (sdqW)
80	2038	4096		0.114	0.228	0.342	0.456	0.570	0.684	0.799	0.913	1.027	1.141	1.255	1.369	1.483	1.597	Bit Rate
8	3249	4096		0.183	0.366	0.548	0.731	0.914	1.097	1.279	1.462	1.645	1.828	2.010	2.193	2.376	2.559	formation
16	1331	4096		0.100	0.200	0.299	0.399	0.499	0.599	0.699	0.799	0.898	0.998	1.098	1.198	1.298	1.398	ffective In
16	2088	4096		0.152	0.304	0.456	0.608	0.761	0.913	1.065	1.217	1.369	1.521	1.673	1.825	1.977	2.129	oretical E
 16	3249	4096		0.244	0.487	0.731	0.975	1.218	1.462	1.706	1.949	2.193	2.437	2.680	2.924	3.168	3.411	ole 1 - The
64	1331	4096		0.150	0.299	0.449	0.599	0.749	0.898	1.048	1.198	1.348	1.497	1.647	1.797	1.947	2.096	E
64	2038	4096		0.228	0.456	0.684	0.913	1.141	1.369	1.597	1.825	2.053	2.282	2.510	2.738	2.966	3.194	
64	3249	4096	_	0.366	0.731	1.097	1.462	1.828	2.193	2.559	2.924	3.290	3.655	4.021	4.386	4,752	(5/117	
Мод	Info	Size	Codes	5	4	9	ω	10	12	4	16	18	20	22	24,	56	78	

Proposed Y-CDMAximum' physical layer using various numbers of codes and code rates with 2048 block size.

	<u> </u>	,																	
		2048			0.051	0.103	0.154	0.205	0.257	0.308	0.359	0.410	0.462	0.513	0.564	0.616	0.667	0.718	
4	858 ∿	2048			0.064	0.129	0.193	0.257	0.322	0.386	0.450	0.515	0.579	0.644	0.708	0.772	0.837	0.901	
4	1482	2048			0.111	0.222	0.333	0.445	0.556	0.667	0.778	0.889	1.000	1.112	1.223	1.334	1.445	1.556	
80	684	2048			0.077	0.154	0.231	0.308	0.385	0.462	0.539	0.616	0.693	0.770	0.846	0.923	1.000	1.077	-
80	828	2048			0.097	0.193	0.290	0.386	0.483	0.579	9.676	0.772	0.869	0.965	1.062	1.158	1.255	1.351	
æ	1482	2048			0.167	0.333	0.500	0.667	0.834	1.000	1.167	1.334	1.501	1.667	1.834	2.001	2.167	2.334	
16	684	2048			0.103	0.205	0.308	0.410	0.513	0.616	0.718	0.821	0.923	1.026	1.129	1.231	1.334	1,436	
16	828	2048			0.129	0.257	0.386	0.515	0.644	0.772	0.901	1.030	1.158	1.287	1.416	1.544	1.673	1.802	
16	1482	2048			0.222	0.445	0.667	0.889	1.112	1.334	1.556	1.778	2.001	2.223	2.445	2.668	2.890	3.112	-
64	684	2048			0.154	0.308	0.462	0.616	0.770	0.923	1.077	1.231	1.385	1.539	1.693	1.847	2.001	2.155	
99	828	2048			0.193	0.386	0.579	0.772	0.965	1.158	1.351	1.544	1.737	1.931	2.124	2.317	2.510	2.703	
64	1482	2048			0.333	0.667	1.000	1.334	1.667	2.001	2.334	2.668	3.001	3.335	3.668	4.001	4.335	4.668	
Mod	de fe			Codes	2	4	9	80	10	12	14	16	18	50	22	24	56	28	
	TPC PATE	Ş.	4	3.5															

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- Theoretical Effective Information Bit Rate (Mbps) for 2048 Block Size

Docket No.: 2479.2021-000

Title: Maximizing Data Rate by Adjusting.... Inventors: Hoffmann, et al.

Proposed T-CDMAximum' physical layer using various numbers of codes and code rates with 1024 block size.

		(NO 4/5 ECMMENT	(17500031)														
-	363	1024	ς)·.	0.054	0.00	0.163	0.218	0.272	0.327	0.381	0.436	0.490	0.545	0.599	0.653	0 708	0.762
٧	929	1024	V):	0 101	0.203	0.304	0.406	0.507	0.608	0.710	0.811	0.913	1.014	1.115	1.217	1.318	1.420
α	363	1024		0.082	0.163	0.245	0.327	0.408	0.490	0.572	0.653	0.735	0.817	0.898	0.980	1.062	1.143
œ	929	1024		0.152	0.304	0.456	0.608	0.761	0.913	1.065	1.217	1.369	1.521	1.673	1.825	1.977	2.129
16	363	1024		0.109	0.218	0.327	0.436	0.545	0.653	0.762	0.871	0.980	1.089	1.198	1.307	1.416	1.525
16	9/9	1024		0.203	0.406	809.0	0.811	1.014	1.217	1.420	1.622	1.825	2.028	2.231	2.434	2.636	2.839
94	363	1024		0.163	0.327	0.490	0.653	0.817	0.980	1.143	1.307	1.470	1.634	1.797	1.960	2.124	2.287
64	9/9	1024		0.304	0.608	0.913	1.217	1.521	1.825	2.129	2.434	2.738	3.042	3.346	3.650	3.955	4.259
Mod	Info	Size	Codes	2	4	9	89	10	12	14	16	18	20	22	24	56	28

Theoretical Effective Information Bit Rate (Mbps) for 1024 Block Size